

B. Lueb

RE-RUN

#11  
Tmf  
12/7/01

1636

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/516,310CDATE: 12/07/2001  
TIME: 14:47:19Input Set : A:\22000.0021U2.txt.txt  
Output Set: N:\CRF3\12072001\I516310C.raw

ENTERED

3 <110> APPLICANT: Lin, Yao-Zhong  
4       Hawiger, Jack J.  
6 <120> TITLE OF INVENTION: A Novel Method for Importing  
7       Biologically Active Molecules into Cells  
10 <130> FILE REFERENCE: 22000.0021U2  
12 <140> CURRENT APPLICATION NUMBER: 09/516,310C  
13 <141> CURRENT FILING DATE: 2000-03-01  
15 <150> PRIOR APPLICATION NUMBER: 09/170,754  
16 <151> PRIOR FILING DATE: 1998-10-13  
18 <150> PRIOR APPLICATION NUMBER: 09/052,784  
19 <151> PRIOR FILING DATE: 1998-03-31  
21 <150> PRIOR APPLICATION NUMBER: 08/258,852  
22 <151> PRIOR FILING DATE: 1994-06-13  
24 <160> NUMBER OF SEQ ID NOS: 11  
26 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
28 <210> SEQ ID NO: 1  
29 <211> LENGTH: 26  
30 <212> TYPE: PRT  
31 <213> ORGANISM: Artificial Sequence  
33 <220> FEATURE:  
34 <223> OTHER INFORMATION: Description of Artificial Sequence; note = synthetic  
construct  
36 <221> NAME/KEY: SITE  
37 <222> LOCATION: (1)...(16)  
38 <223> OTHER INFORMATION: note = Signal peptide amino acid sequence of K-FGF  
40 <221> NAME/KEY: SITE  
41 <222> LOCATION: (17)...(19)  
42 <223> OTHER INFORMATION: note = Spacer region  
44 <221> NAME/KEY: SITE  
45 <222> LOCATION: (20)...(26)  
46 <223> OTHER INFORMATION: note = Epitope tag  
48 <400> SEQUENCE: 1  
49 Ala Ala Val Ala Leu Leu Pro Ala Val Leu Leu Ala Leu Ala Pro  
50   1                   5                   10                   15  
51 Ala Ala Ala Asp Gln Asn Gln Leu Met Pro  
52                   20                   25  
54 <210> SEQ ID NO: 2  
55 <211> LENGTH: 7  
56 <212> TYPE: PRT  
57 <213> ORGANISM: Artificial Sequence  
59 <220> FEATURE:  
60 <223> OTHER INFORMATION: Description of Artificial Sequence; note = synthetic  
construct  
62 <400> SEQUENCE: 2  
63 Asn Tyr Lys Lys Pro Lys Leu  
64   1                   5  
66 <210> SEQ ID NO: 3  
67 <211> LENGTH: 26

68 <212> TYPE: PRT

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/516,310C

DATE: 12/07/2001  
 TIME: 14:47:19

Input Set : A:\22000.0021U2.txt.txt  
 Output Set: N:\CRF3\12072001\I516310C.raw

```

69 <213> ORGANISM: Artificial Sequence
71 <220> FEATURE:
72 <223> OTHER INFORMATION: Description of Artificial Sequence; note = synthetic
construct
74 <221> NAME/KEY: SITE
75 <222> LOCATION: (1)...(16)
76 <223> OTHER INFORMATION: note = Signal peptide amino acid sequence of K-FGF
78 <221> NAME/KEY: SITE
79 <222> LOCATION: (17)...(19)
80 <223> OTHER INFORMATION: Spacer region
82 <221> NAME/KEY: SITE
83 <222> LOCATION: (20)...(26)
84 <223> OTHER INFORMATION: Nuclear localization sequence of aFGF
86 <400> SEQUENCE: 3
87 Ala Ala Val Ala Leu Leu Pro Ala Val Leu Ala Leu Leu Ala Pro
88 1 5 10 15
89 Ala Ala Ala Asn Tyr Lys Lys Pro Lys Leu
90 20 25
92 <210> SEQ ID NO: 4
93 <211> LENGTH: 28
94 <212> TYPE: PRT
95 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: Description of Artificial Sequence; note = synthetic
construct
100 <221> NAME/KEY: SITE
101 <222> LOCATION: (1)...(16)
102 <223> OTHER INFORMATION: note = Signal peptide amino acid sequence of K-FGF
104 <221> NAME/KEY: SITE
105 <222> LOCATION: (17)...(19)
106 <223> OTHER INFORMATION: note = Spacer region
108 <221> NAME/KEY: SITE
109 <222> LOCATION: (20)...(26)
110 <223> OTHER INFORMATION: note = Nuclear localization sequence of aFGF
112 <221> NAME/KEY: SITE
113 <222> LOCATION: (27)...(28)
114 <223> OTHER INFORMATION: note = Epitope tag
116 <400> SEQUENCE: 4
117 Ala Ala Val Ala Leu Leu Pro Ala Val Leu Leu Ala Leu Leu Ala Pro
118 1 5 10 15
119 Ala Ala Ala Asn Tyr Lys Lys Pro Lys Leu Met Pro
120 20 25
122 <210> SEQ ID NO: 5
123 <211> LENGTH: 16
124 <212> TYPE: PRT
125 <213> ORGANISM: Artificial Sequence
127 <220> FEATURE:
128 <223> OTHER INFORMATION: Description of Artificial Sequence; note = synthetic
construct
130 <221> NAME/KEY: SITE
131 <222> LOCATION: (1)...(16)
132 <223> OTHER INFORMATION: note = Signal peptide amino acid sequence of K-FGF

```

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/516,310C

DATE: 12/07/2001  
TIME: 14:47:19

Input Set : A:\22000.0021U2.txt.txt  
Output Set: N:\CRF3\12072001\I516310C.raw

```

134 <400> SEQUENCE: 5
135 Ala Ala Val Ala Leu Leu Pro Ala Val Leu Leu Ala Leu Ala Pro
136 1 5 10 15
138 <210> SEQ ID NO: 6
139 <211> LENGTH: 41
140 <212> TYPE: PRT
141 <213> ORGANISM: Artificial Sequence
143 <220> FEATURE:
144 <223> OTHER INFORMATION: Description of Artificial Sequence; note = synthetic
construct
146 <400> SEQUENCE: 6
147 Ala Ala Val Ala Leu Leu Pro Ala Val Leu Leu Ala Leu Ala Pro
148 1 5 10 15
149 Glu Ile Leu Leu Pro Asn Asn Tyr Asn Ala Tyr Glu Ser Tyr Lys Tyr
150 20 25 30
151 Pro Gly Met Phe Ile Ala Leu Ser Lys
152 35 40
154 <210> SEQ ID NO: 7
155 <211> LENGTH: 25
156 <212> TYPE: PRT
157 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: Description of Artificial Sequence; note = synthetic
construct
162 <400> SEQUENCE: 7
163 Glu Ile Leu Leu Pro Asn Asn Tyr Asn Ala Tyr Glu Ser Tyr Lys Tyr
164 1 5 10 15
165 Pro Gly Met Phe Ile Ala Leu Ser Lys
166 20 25
168 <210> SEQ ID NO: 8
169 <211> LENGTH: 26
170 <212> TYPE: PRT
171 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: Description of Artificial Sequence; note = synthetic
construct
176 <400> SEQUENCE: 8
177 Ala Ala Val Ala Leu Leu Pro Ala Val Leu Leu Ala Leu Ala Pro
178 1 5 10 15
179 Ile Glu Glu Lys Arg Lys Arg Thr Tyr Glu
180 20 25
182 <210> SEQ ID NO: 9
183 <211> LENGTH: 26
184 <212> TYPE: PRT
185 <213> ORGANISM: Artificial Sequence
187 <220> FEATURE:
188 <223> OTHER INFORMATION: Description of Artificial Sequence; note = synthetic
construct
190 <400> SEQUENCE: 9
191 Ala Ala Val Ala Leu Leu Pro Ala Val Leu Leu Ala Leu Ala Pro
192 1 5 10 15
193 Val Asn Arg Lys Arg Asn Lys Leu Met Pro
194 20 25

```

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/516,310C

DATE: 12/07/2001  
TIME: 14:47:19

Input Set : A:\22000.0021U2.txt.txt  
Output Set: N:\CRF3\12072001\I516310C.raw

```
196 <210> SEQ ID NO: 10
197 <211> LENGTH: 10
198 <212> TYPE: PRT
199 <213> ORGANISM: Artificial Sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: Description of Artificial Sequence; note = synthetic
construct
204 <400> SEQUENCE: 10
205 Val Asn Arg Lys Arg Asn Lys Leu Met Pro
206 1 5 10
208 <210> SEQ ID NO: 11
209 <211> LENGTH: 10
210 <212> TYPE: PRT
211 <213> ORGANISM: Artificial Sequence
213 <220> FEATURE:
214 <223> OTHER INFORMATION: Description of Artificial Sequence; note = synthetic
construct
216 <400> SEQUENCE: 11
217 Ile Glu Glu Lys Arg Lys Arg Thr Tyr Glu
218 1 5 10
```

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/516,310C

DATE: 12/07/2001

TIME: 14:47:20

Input Set : A:\22000.0021U2.txt.txt

Output Set: N:\CRF3\12072001\I516310C.raw

## STATISTICS SUMMARY

PATENT APPLICATION: US/09/516,310C

DATE: 12/07/2001

TIME: 14:47:20

Input Set : A:\22000.0021U2.txt.txt

Output Set: N:\CRF3\12072001\I516310C.raw

Application Serial Number: US/09/516,310C

Alpha or Numeric: Numeric

Application Class:

Application File Date: 03-01-2000

Art Unit: 1636

Software Application: FastSeq

Total Number of Sequences: 11

Total Nucleotides: 0

Total Amino Acids: 241

Number of Errors: 0

Number of Warnings: 0

Number of Corrections: 0

## MESSAGE SUMMARY